

AMENDMENTS TO THE CLAIMS

1 1. – 11. (canceled)

1 12. (previously presented) A Bragg reflector comprising:
2 one or more first layers adjacent one or more second layers, the first and
3 second layers having at least one sidewall, wherein the first and second layers define one or
4 more gaps; and
5 a support layer formed over a portion of the sidewalls to support the second
6 layers against movement.

1 13. (original) The Bragg reflector of claim 12 wherein the second layers and the
2 support layer comprise substantially the same material.

1 14. (original) The Bragg reflector of claim 12 wherein at least a portion of the
2 support layer is electrically conductive.

1 15. (previously presented) The Bragg reflector of claim 12 wherein a portion of the
2 support layer is electrically non-conductive.

1 16. (previously presented) A distributed Bragg reflector comprising:
2 a substrate;
3 a plurality of structure layers on the substrate each spaced apart by a gap, the
4 structure layers each having edges; and
5 a support layer about a portion of the edges for supporting the structure layers
6 such that the structure layers remain stationary.

1 17. (original) The distributed Bragg reflector of claim 16 further comprising
2 sacrificial layers between the structure layers, the sacrificial layers undercut to define the
3 gaps.

1 18. (original) The distributed Bragg reflector of claim 16 wherein the support layer
2 comprises a material selected from the group consisting of InP, GaAs, and Si.

1 19. (original) The distributed Bragg reflector of claim 16 wherein the structure layers
2 comprise a material selected from the group consisting of InP, GaAs, and Si.

1 20. (original) The distributed Bragg reflector of claim 16 wherein the support layer
2 covers at least a portion of a top of the structure layers.

1 21. (previously presented) The Bragg reflector of claim 12, wherein the support
2 layer holds said second layers substantially parallel to each other.

22. (previously presented) The Bragg reflector of claim 12, wherein the support layer partially overlaps a top side of a top layer of said one or more second layers.

23. (previously presented) The distributed Bragg reflector of claim 16, wherein the support layer further holds said plurality of structure layers substantially parallel to each other.

24. (previously presented) The distributed Bragg reflector of claim 16, wherein the support layer partially overlaps a top side of a top structure layer.

25. (previously amended) A distributed Bragg reflector comprising:
a substrate;
a plurality of structure layers on the substrate each spaced apart by a gap, the structure layers each having edges and being substantially parallel to each other; and
a support layer on a portion of the edges for supporting the structure layers.

26. (previously presented) A distributed Bragg reflector comprising:
a substrate;
a plurality of structure layers on top of the substrate each spaced apart by a gap, the structure layers each having edges; and
a support layer being about a portion of the edges and overlapping a top portion of a top structure layer.